Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/13/2020 10:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124619	-1	1.67	124640	1.67
Blue	F	SSC	125000	125193	0	1.67	126010	1.69
Blue	E	FITC	15892	15365	-4	2.74	336	19.81
Blue	D	PE	29999	29426	-2	1.94	643	14.69
Blue	B	PerCP-Cy5-5	43732	43980	0	3.55	1177	20.06
Blue	A	PE-Cy7	30845	30738	-1	5.83	585	40.37
Red	C	APC	46112	45610	-2	2.40	1613	12.23
Red	A	APC-Cy7	30458	29669	-3	2.31	784	11.91
Violet	B	V450	7918	7512	-6	4.38	421	13.44
Violet	A	V500	32171	31029	-4	4.11	724	10.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17175	7.67	621	0	N/A	N/A	Pass
Blue	F	SSC	56931	1.23	561	2	N/A	N/A	Pass
Blue	E	FITC	62	65.51	542	-1	0.0216	214	Pass
Blue	D	PE	134	49.42	548	0	0.1625	264	Pass
Blue	B	PerCP-Cy5-5	218	49.09	657	1	0.0094	62	Pass
Blue	A	PE-Cy7	108	100.82	698	0	0.0112	18	Pass
Red	C	APC	382	25.32	588	4	0.0236	117	Pass
Red	A	APC-Cy7	173	29.45	559	3	0.0058	1388	Pass
Violet	B	V450	64	60.76	455	-3	0.0485	2014	Pass
Violet	A	V500	109	35.99	472	-2	0.0234	1159	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.85	-32.25	1.06
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.45
Red	17.56	13.60 - 20.40	N/A	N/A	29.78	30.24	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9522

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments